

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092517\  
 Data File : BG028939.D  
 Acq On : 26 Sep 2017 11:49  
 Operator : SJ/JU  
 Sample : I5385-05  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 092117-SIDI-F-U-M

Quant Time: Sep 26 13:45:40 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 26 12:06:14 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.28  | 152  | 26533    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.10 | 136  | 103511   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.89 | 164  | 78706    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.65 | 188  | 242795   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.96 | 240  | 282775   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.42 | 264  | 284949   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.84  | 112  | 81713    | 50.82  | ng    | 0.00     |
| 7) Phenol-d6                | 7.44  | 99   | 67081    | 27.71  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.45  | 82   | 239464   | 110.67 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.38 | 330  | 159996   | 122.91 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.51 | 172  | 634390   | 107.48 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.23 | 244  | 1391754  | 104.96 | ng    | 0.00     |

Target Compounds Qvalue

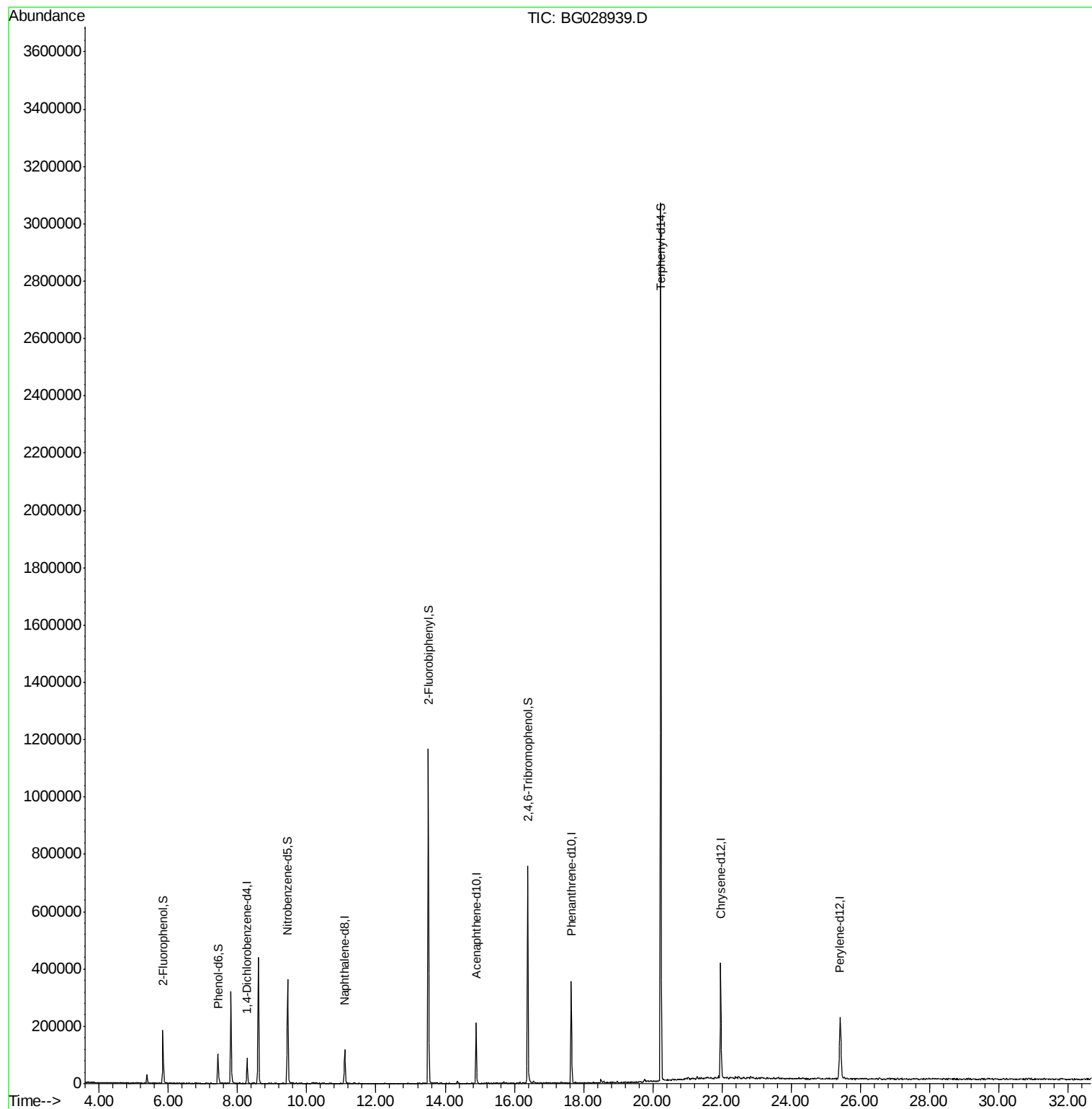
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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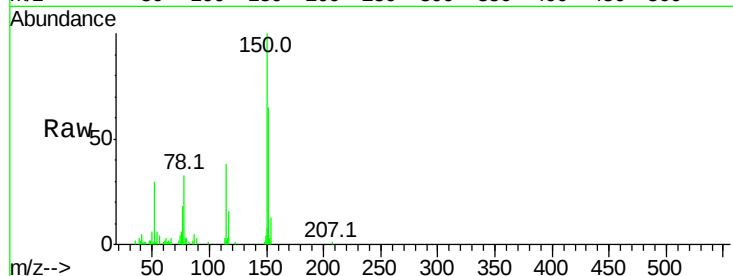


#1

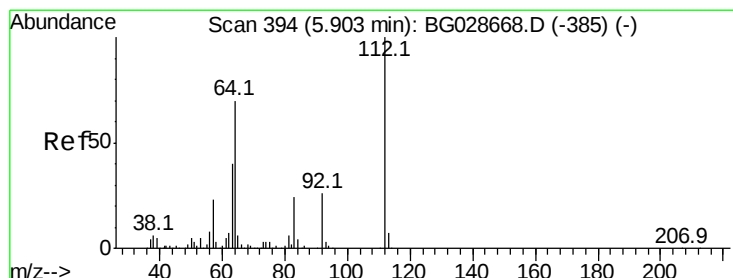
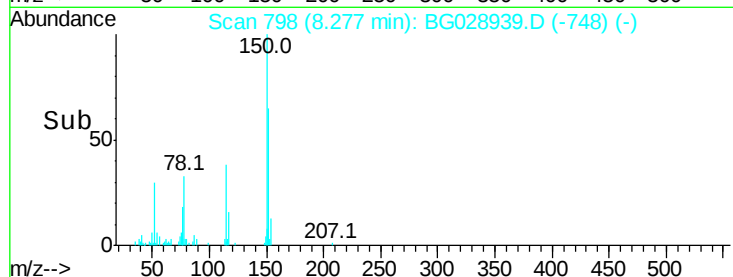
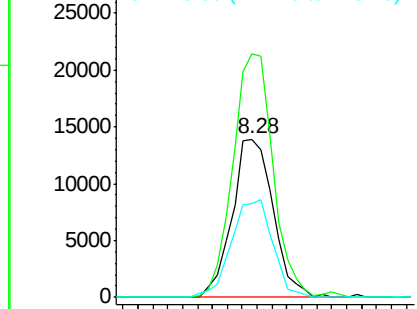
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.28 min Scan# 798  
Delta R.T. -0.01 min  
Lab File: BG028939.D  
Acq: 26 Sep 2017 11:49

Instrument :  
BNA\_G  
ClientSampleId :  
092117-SIDI-F-U-M

Tot Ion:152 Resp: 26533  
Ion Ratio Lower Upper  
152 100  
150 153.8 114.0 171.0  
115 58.9 48.1 72.1



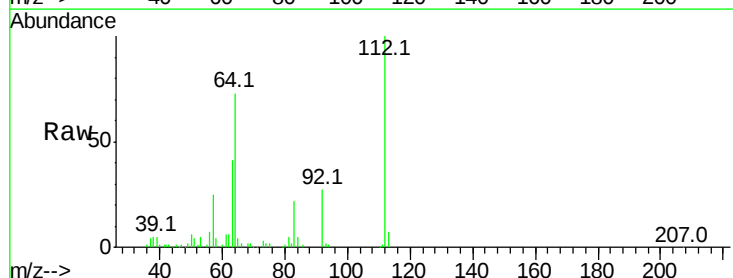
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



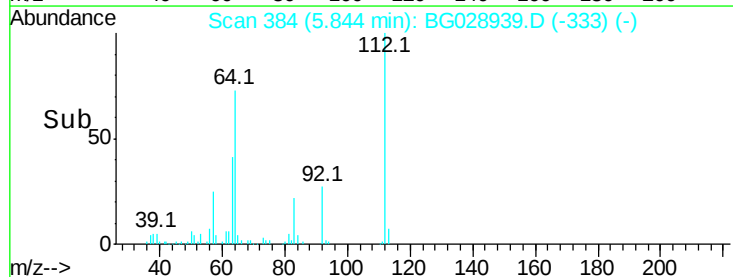
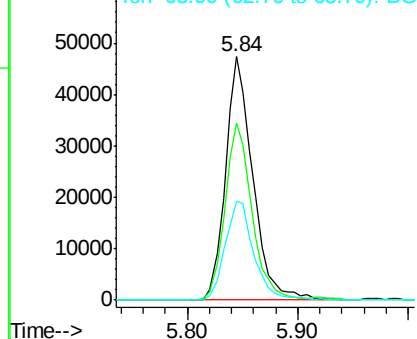
#5

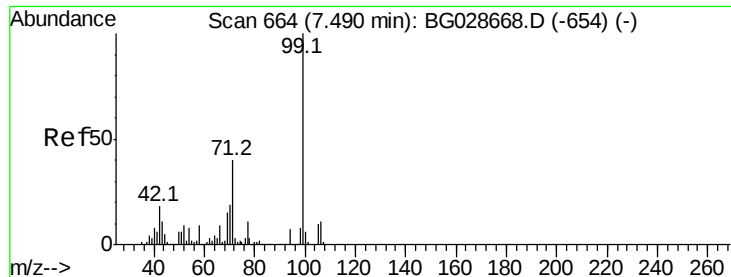
2-Fluorophenol  
Concen: 50.816 ng  
RT: 5.84 min Scan# 384  
Delta R.T. 0.00 min  
Lab File: BG028939.D  
Acq: 26 Sep 2017 11:49

Tgt Ion:112 Resp: 81713  
Ion Ratio Lower Upper  
112 100  
64 72.6 61.8 92.6  
63 40.5 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 27.707 ng

RT: 7.44 min Scan# 655

Delta R.T. 0.00 min

Lab File: BG028939.D

Acq: 26 Sep 2017 11:49

Instrument :

BNA\_G

ClientSampleId :

092117-SIDI-F-U-M

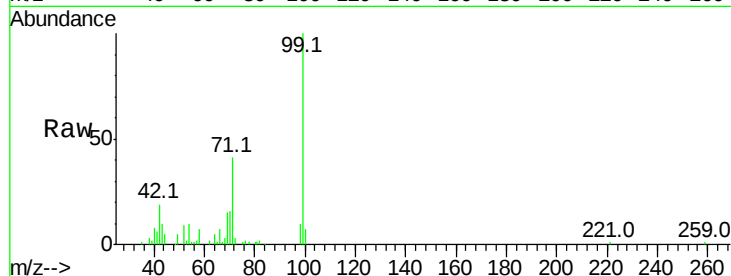
Tot Ion: 99 Resp: 67081

Ion Ratio Lower Upper

99 100

42 19.2 20.5 30.7#

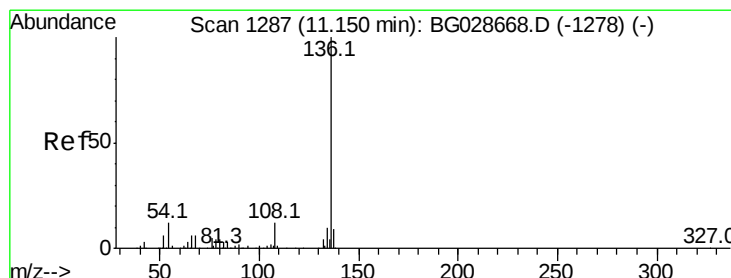
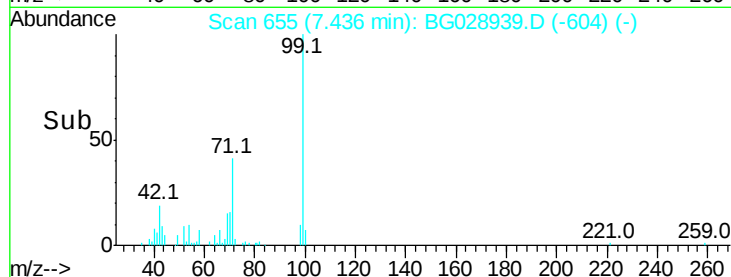
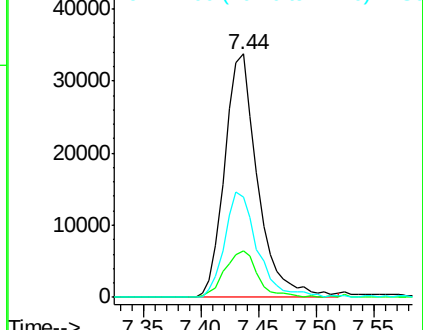
71 41.1 37.6 56.4



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.10 min Scan# 1278

Delta R.T. 0.00 min

Lab File: BG028939.D

Acq: 26 Sep 2017 11:49

Tgt Ion: 136 Resp: 103511

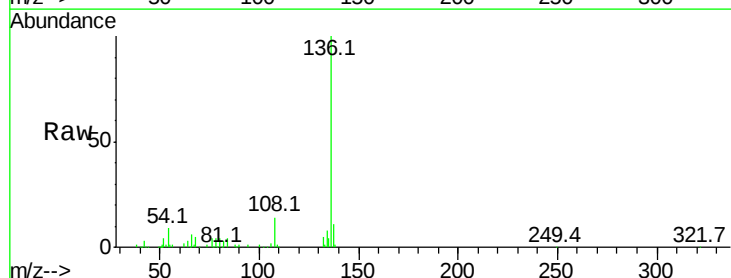
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.2 9.3 13.9#

68 4.9 5.1 7.7#

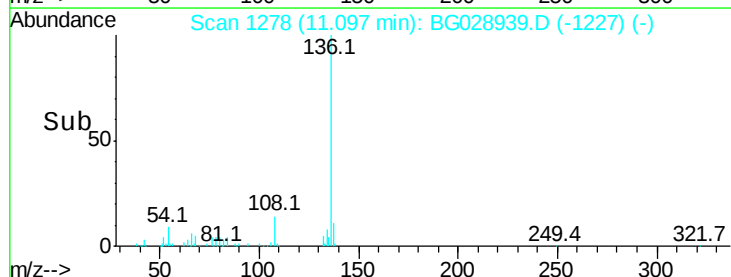
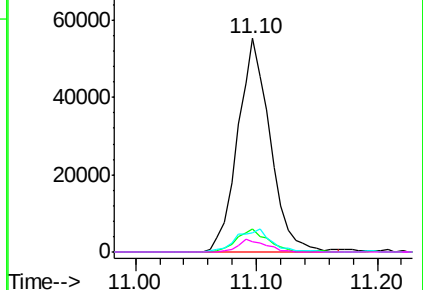


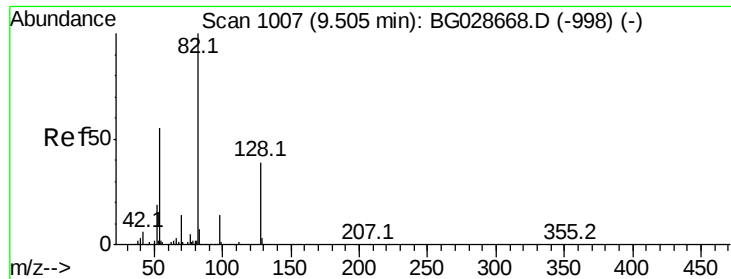
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

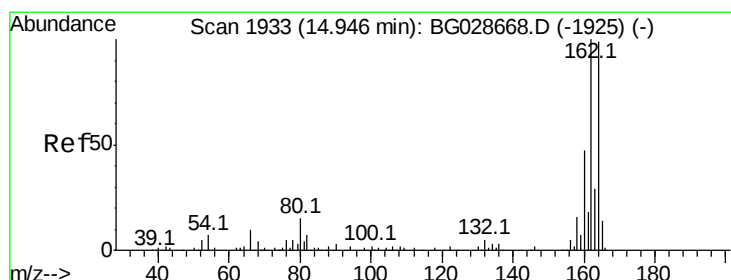
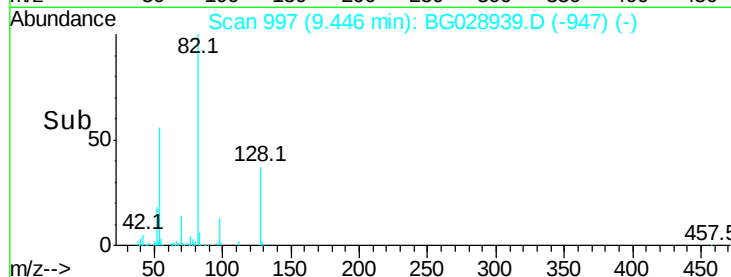
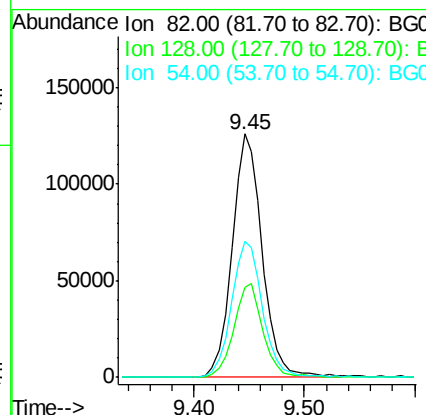
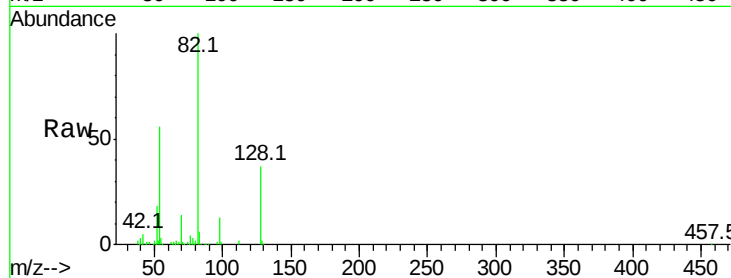




#23  
Nitrobenzene-d5  
Concen: 110.668 ng  
RT: 9.45 min Scan# 997  
Delta R.T. -0.01 min  
Lab File: BG028939.D  
Acq: 26 Sep 2017 11:49

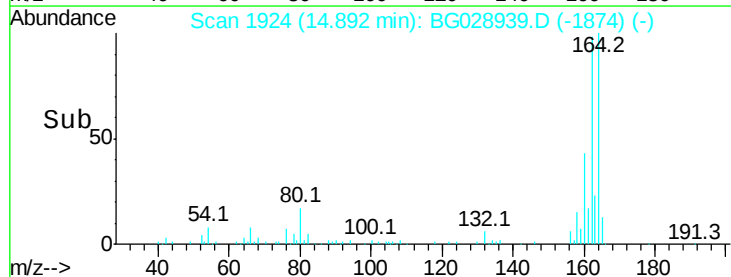
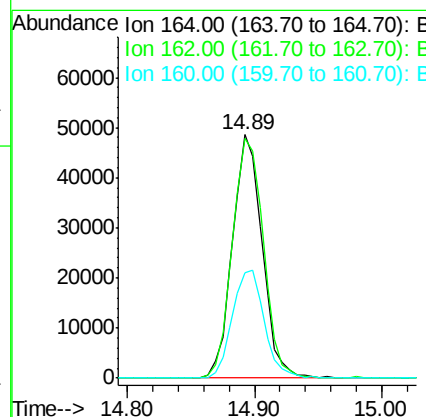
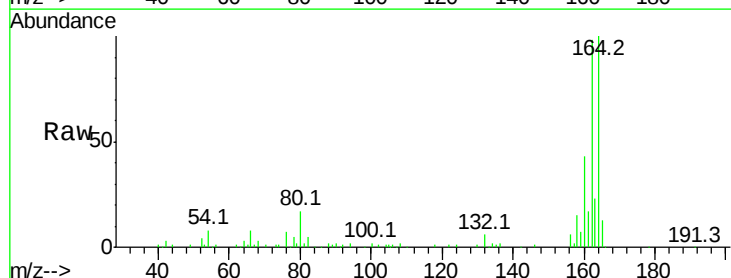
Instrument :  
BNA\_G  
ClientSampleId :  
092117-SIDI-F-U-M

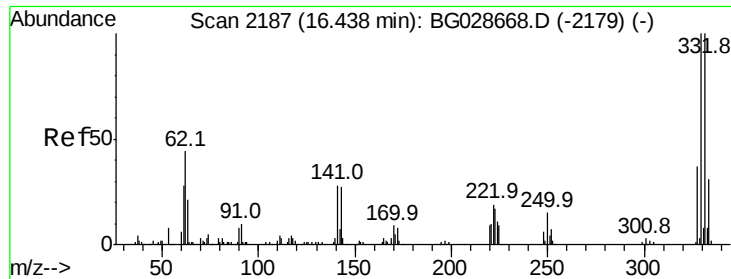
Tot Ion: 82 Resp: 239464  
Ion Ratio Lower Upper  
82 100  
128 36.8 26.4 39.6  
54 55.7 49.4 74.2



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.89 min Scan# 1924  
Delta R.T. -0.01 min  
Lab File: BG028939.D  
Acq: 26 Sep 2017 11:49

Tgt Ion: 164 Resp: 78706  
Ion Ratio Lower Upper  
164 100  
162 98.4 85.1 127.7  
160 43.3 34.7 52.1

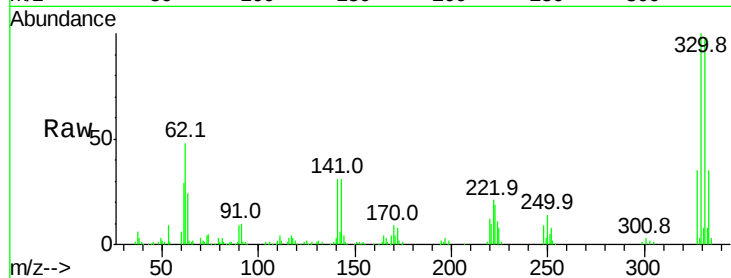




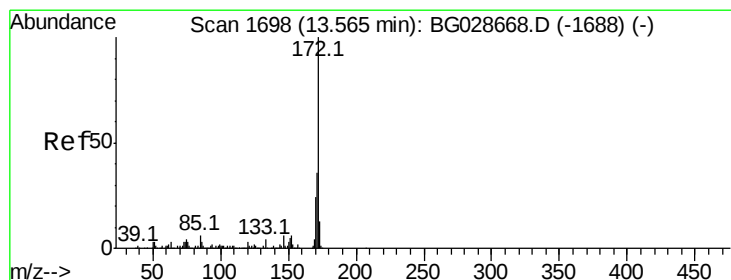
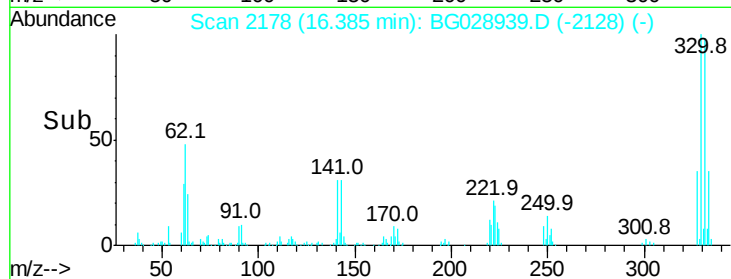
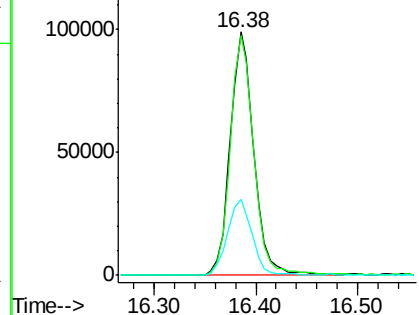
#41  
 2,4,6-Tribromophenol  
 Concen: 122.908 ng  
 RT: 16.38 min Scan# 2178  
 Delta R.T. -0.01 min  
 Lab File: BG028939.D  
 Acq: 26 Sep 2017 11:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 092117-SIDI-F-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.9  | 77.3  | 115.9 |
| 141     | 32.6  | 32.1  | 48.1  |

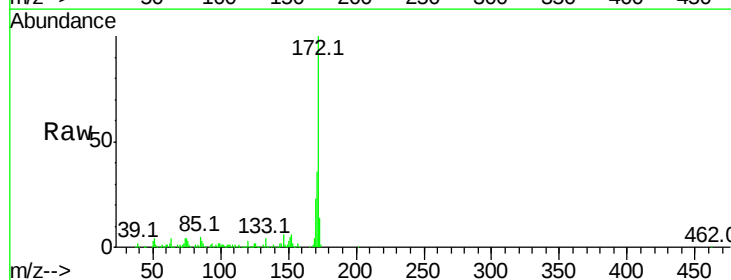


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

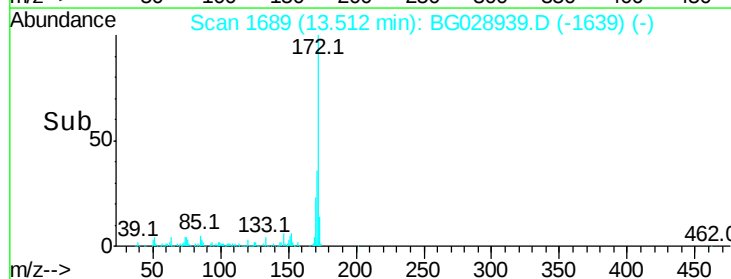
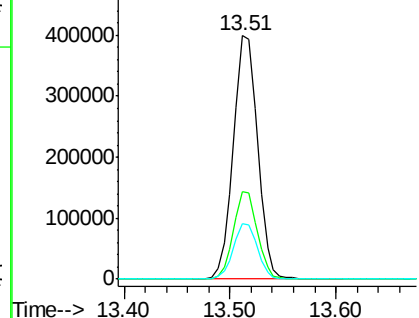


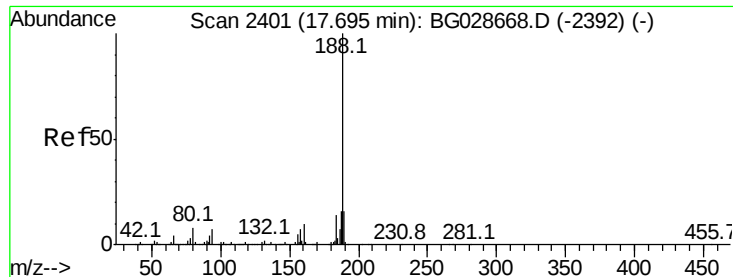
#44  
 2-Fluorobiphenyl  
 Concen: 107.477 ng  
 RT: 13.51 min Scan# 1689  
 Delta R.T. -0.01 min  
 Lab File: BG028939.D  
 Acq: 26 Sep 2017 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 32.2  | 48.2  |
| 170     | 22.7  | 21.8  | 32.6  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.65 min Scan# 2393

Delta R.T. 0.00 min

Lab File: BG028939.D

Acq: 26 Sep 2017 11:49

Instrument :

BNA\_G

ClientSampleId :

092117-SIDI-F-U-M

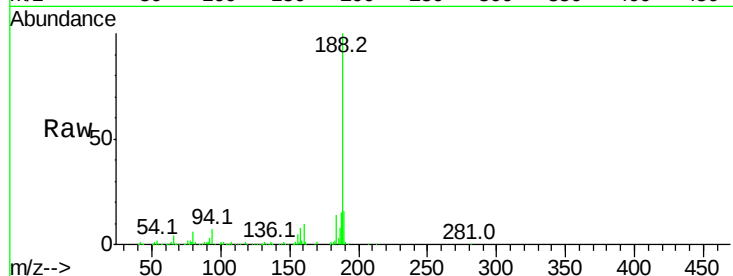
Tot Ion:188 Resp: 242795

Ion Ratio Lower Upper

188 100

94 6.6 5.8 8.8

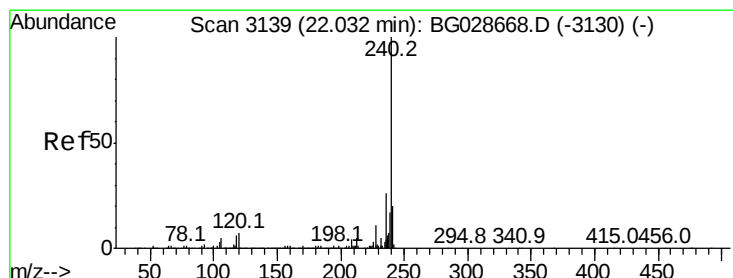
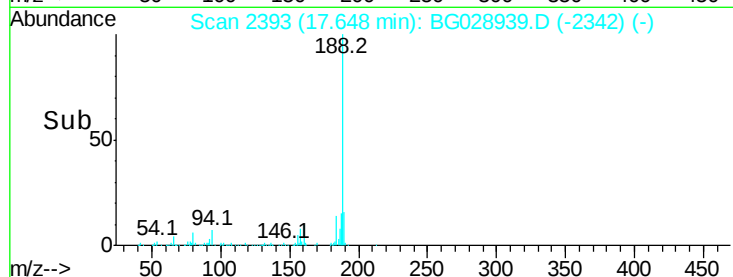
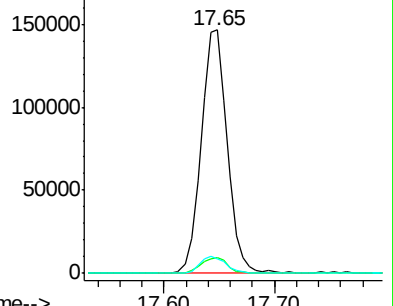
80 6.0 7.5 11.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.96 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BG028939.D

Acq: 26 Sep 2017 11:49

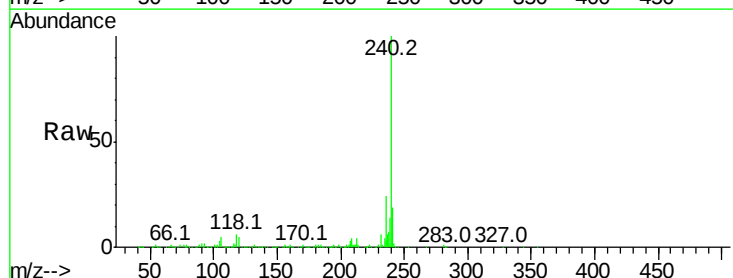
Tgt Ion:240 Resp: 282775

Ion Ratio Lower Upper

240 100

120 5.5 5.7 8.5#

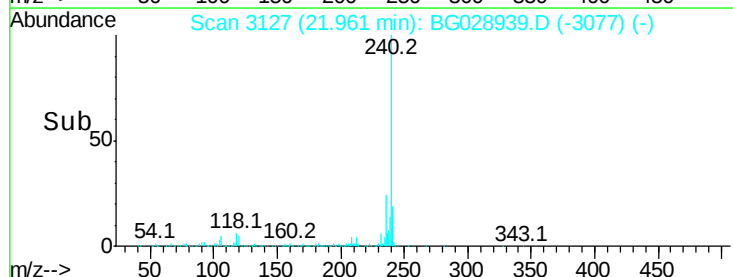
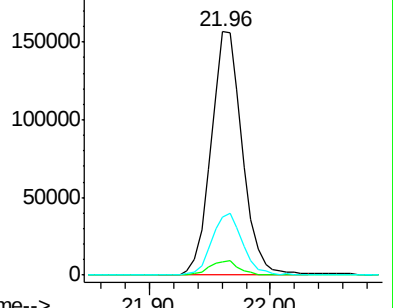
236 23.8 22.2 33.4

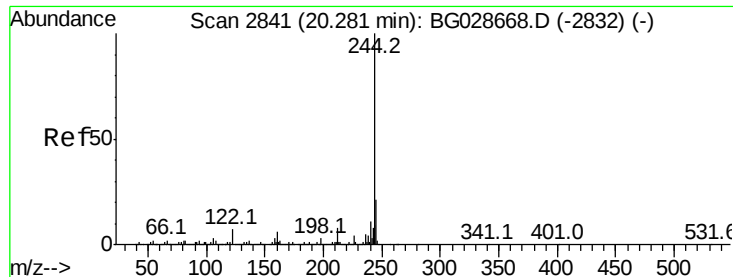


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 104.960 ng

RT: 20.23 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BG028939.D

Acq: 26 Sep 2017 11:49

Instrument :

BNA\_G

ClientSampleId :

092117-SIDI-F-U-M

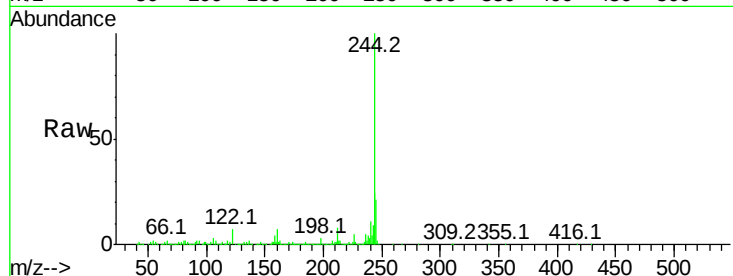
Tot Ion:244 Resp: 1391754

Ion Ratio Lower Upper

244 100

212 8.3 10.0 15.0#

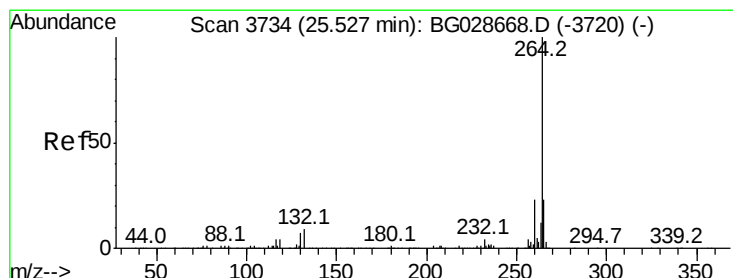
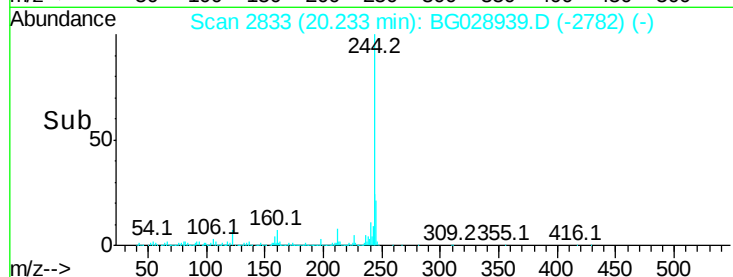
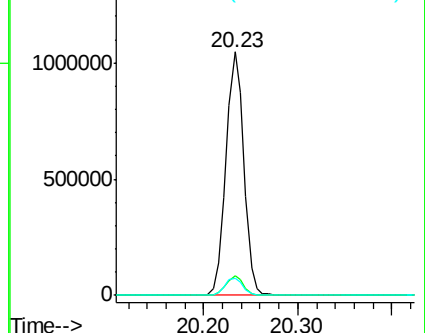
122 7.2 8.6 12.8#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.42 min Scan# 3715

Delta R.T. 0.00 min

Lab File: BG028939.D

Acq: 26 Sep 2017 11:49

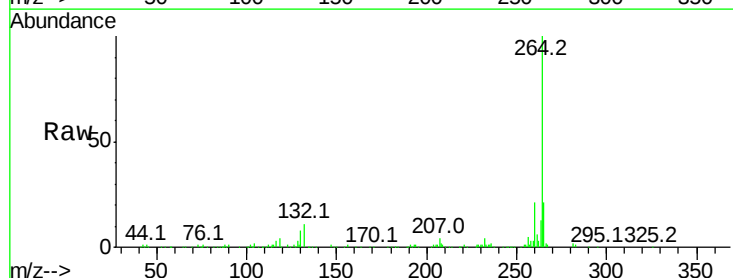
Tgt Ion:264 Resp: 284949

Ion Ratio Lower Upper

264 100

260 21.4 21.8 32.8#

265 21.2 18.2 27.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

